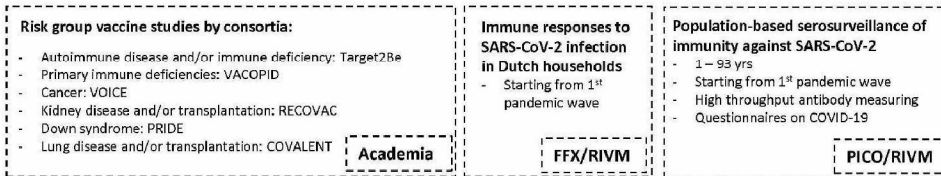


Immune responses are compared to:



Harmonized timepoints

1. Before vaccination
2. 4 Weeks after 1st vaccination
3. 4 Weeks after 2nd vaccination
4. 6 Months after 2nd vaccination
5. 12 Months after 2nd vaccination

Harmonized measuring of antibodies

- High throughput bead-based multiplex immune assay (MIA)
- Antibody (IgG) 28 days after 2nd vaccination as primary parameter

Integrated approach

- Majority of studies include a spectrum of immune responses:
- T-cells
 - B-cells
 - Innate cells
 - Serology
 - Local immunity (e.g. antibodies in the nose)
 - Role of gut microbiome